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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/745,925	12/21/2000	George L. Eldridge	D/A0640	2868

7590 05/04/2005

John E. Beck  
Xerox Corporation  
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EXAMINER
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EBRAHIMI DEHKORDY, SAEID

ART UNIT	PAPER NUMBER
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2626

DATE MAILED: 05/04/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

**Application No.**

09/745,925

**Applicant(s)**

ELDRIDGE ET AL.

**Examiner**

Saeid Ebrahimi-dehKordy

**Art Unit**

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 10 November 2004.  
2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.  
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-4 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.  
6) ☒ Claim(s) 1-3 is/are rejected.  
7) ☒ Claim(s) 4 is/are objected to.  
8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.  
10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)  
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)  
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.  
4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_.  
5) ☐ Notice of Informal Patent Application (PTO-152)  
6) ☐ Other: \_\_\_\_\_

### **Response to Amendment**

1. Applicant's arguments with respect to claim 1-4 have been considered but are moot in view of the new ground(s) of rejection.

#### ***Claim Rejections - 35 USC § 102***

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claim 1 and 3 are rejected under 35 U.S.C. 102(b) as being anticipated by Plakosh (U.S. patent 5,701,151)

Regarding claim 1 Plakosh discloses: in a printer, which has a fast, and a slow scan direction and prints an image of Pixels on a page, a method of shifting the image prior to printing (please note Fig.3.A&B, column 4 lines 11-13) comprising:

Forming the image data into a plurality of independent strips (please note 3.A&B, column 3 lines 33-41 where the scan lines create the image A on the surface) each of which is a full page in Length in the fast scan direction and the number of scan lines in the slow scan direction (please note column 3 lines 36-41 where the scan line such as S1 represents the length of the page for the image A image as shown in the Fig.3A&B) Compressing each of the plurality of independent strips (please note column 4 lines 64-67 and column 5 lines 1-22) the plurality of compressed independent strips forming a compressed image (please note column 4 lines 42-45) Determining an amount to shift

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the image and a location to shift the image on the page (please note column 3 lines 26-40) Shifting the compressed image by either adding or deleting a compressed blank strips corresponding to the amount to shift the image before or after the compressed image in the slow scan direction at the determined location (please note column 4 lines 42-63) the compressed image and the compressed blank strip forming a shifted compressed image (please note column 4 lines 42-59) Decompressing the shifted compressed image into scanlines of pixels; and printing the page.

Regarding claim 3 Plakosh discloses: A method of progressive image shifting for use in printing a multi page document (please note column 5 lines 34-42) comprising: for each document page (please note Fig.3A&B, column 26-36 where the image A is being shifted as a page of image) forming page image data into a plurality of independent strips (please note 3.A&B, column 3 lines 33-41 where the scan lines create the image A on the surface) each of which is a full page in length in a fast scan direction and a number of scan lines in a slow scan direction (please note column 3 lines 36-41 where the scan line such as S1 represents the length of the page for the image A image as shown in the Fig.3A&B) compressing each of the plurality of independent strips the plurality of compressed independent strips forming a compressed page image (please note column 4 lines 42-45) determining an amount and a location to shift the page image on the page (please note column 3 lines 26-40) shifting the compressed page image by inserting a compressed blank strip corresponding to the amount to shift the page image at the determined location on the page (please note column 4 lines 42-63) adjusting locations of the plurality of

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compressed independent strips according to the location of the compressed blank strip (please note column 5 lines 9-23) the compressed page image and the compressed blank strip forming a shifted compressed page image (please note column 4 lines 42-64) decompressing the shifted compressed page image and printing the document (please note column 3 lines 23-26).

***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claim 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over Plakosh (U.S. patent 5,701,151) in view of (Collard et al U.S. patent 6,681,085)

Regarding claim 2 Plakosh does not quite teach: The process of printing a booklet from a number  $n$  of sheets of paper comprising the steps of: printing two page images on each side of each sheet, folding the sheets in half to form a booklet having  $4n$  pages, and trimming the outside edges of all pages to a uniform distance from the fold, and wherein the method of printing and shifting of Claim 1 is used to shift the pages so that all page images are a uniform distance to the trimmed edge. On the other hand Collard et al teach: The process of printing a booklet from a number  $n$  of sheets of paper comprising the steps of: printing two page images on each side of each sheet (please note column 1 lines 10-13 also note column 3 lines 61-67 and column 4 lines 1-4) folding the sheets in half to form a booklet having  $4n$  pages (please note column 2

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lines 40-60) and trimming the outside edges of all pages to a uniform distance from the fold (please note column 6 lines 16-21) and wherein the method of printing and shifting of Claim 1 is used to shift the pages so that all page images are a uniform distance to the trimmed edge. Therefore it would have been obvious to a person of ordinary skill in art at the time of the invention to modify Plakosh's invention according to the teaching of Collard et al, where Collard et al in the same field of endeavor teach trimmed pages are gathered and folded for purpose of making the booklets.

### **Allowable Subject Matter**

6. Claim 4 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

### **Conclusion**

7. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

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however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

**Contact Information**

- Any inquiry concerning this communication or earlier communications from the examiner should be directed to *Saeid Ebrahimi-Dehkordy* whose telephone number is (703) 306-3487.

The examiner can normally be reached on Monday through Friday from 8:00 a.m. to 5:30 p.m. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kimberly Williams, can be reached at (703) 305-4863.

**Any response to this action should be mailed to:**

Assistant Commissioner for Patents  
Washington, D.C. 20231

**Or faxed to:**

(703) 872-9306, or (703) 308-9052 (for **formal** communications; please mark  
"EXPEDITED PROCEDURE")

**Or:**

(703) 306-5406 (for **informal** or **draft** communications, please label  
"PROPOSED" or "DRAFT")

**Hand delivered responses** should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA., Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application should be directed to the Group Receptionist whose telephone number is (703) 305-4750.

*Saeid Ebrahimi-Dehkordy*

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Patent Examiner  
Group Art Unit 2626  
April 21, 2005

A handwritten signature in black ink that reads "KA Williams". The letters are cursive and fluid.

**KIMBERLY WILLIAMS**  
**SUPERVISORY PATENT EXAMINER**